

Abstract of the Invention

An automated transaction machine includes a scanner configured to receive a bill or coupon. The coupon is processed by application of connected component analysis, segmentation, coupon matching, and data extraction to determine an associated vendor and customer account information. This information is used to complete a payment transaction.

1. A method for processing a coupon, comprising:
receiving a coupon; scanning the coupon; processing the coupon using connected component analysis, segmentation, coupon matching, and data extraction to determine an associated vendor and customer account information; and using the information to complete a payment transaction.